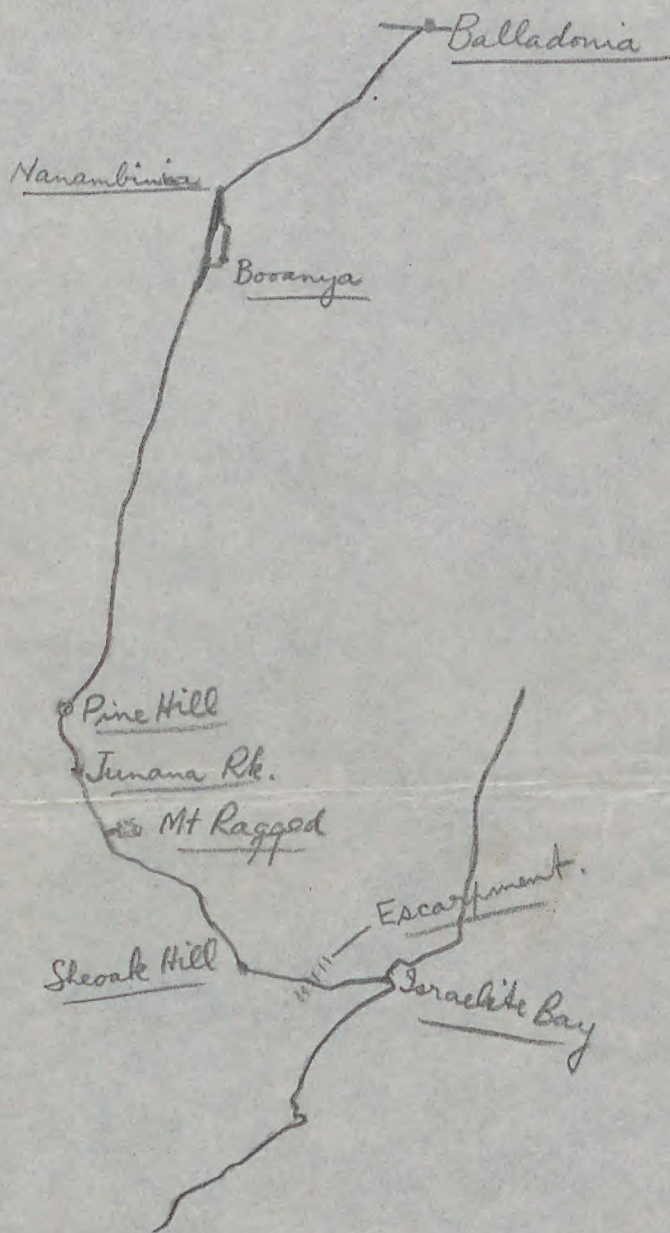


Collection no. 49

J.H. Calaby

5-15/12/53

Coolgardie -
Balladonia area
W.A.



Map of track
taken from Balladonia
to Israelite Bay.



0 10 20 30 40
| | | | |
Miles

Note: That Large Box 2
and part of Large Box 1
Cross-pinned with wetted pins.

1.

Acrididae

Box 2

Perth to Norseman.

Jammin 45758

Bungulla 764

Collected 45764.

5 Dec. 1953.

Cirphula sp. n., *Umsa* *rugosa*, *Macrotoma* sp., *Austroicetes*
Sand plain with sclerophyll shrubs and a fair amount
of dried grass.
ulgaris *corallipes*, *A. arida*

12 acridids, 4 flies. ✓

Doodlakine 782

Collected 45785.

5 Dec. 1953

Paspalia sp., Genus nov. 16(?), *Austroicetes* *frater*
Acacia and mallee scrub on almost bare laterite, some
grass Ausrocks.

4 acridids. ✓

Collected 45795.

5 Dec. 1953

Tapesia sp., *Chortoicetes* *terminifera*
"Island" in a dry salt lake. Fairly thick dry grass
in centre, thin on edge. Some saltbush.

7 acridids, 3 flies, 1 wasp, 1 cockroach.

Hines Hill 796.

Collected 45807

5 Dec 1953

Pycnostictus *striatus*, *Umsa* *guttulosa*, *Macrotoma* sp.,
dry grass around edge of a large flat granite
Chortoicetes *terminifera*, *Austroicetes* *cruciata*
slab, bordering a reedy area.

14 Acridids. ✓

45808 = *Meridius*.

Coll. 45811

5 Dec. 1953.

Coryphistes sp., *Gonimacra* sp., *Pteropachia* sp. n., *Azela* sp.,
Eucalypt trees little undergrowth - some dried grass, a
few shrubs, some *Kochia*, fair amount of litter.
Austroicetes *frater*

20 acridids. ✓

Southern Cross

45877

Coll.

45914

5/Dec/53

3 beetles,

1 *Umisia guttulosa* Acridid caught ✓
at light at night.Dec. 6.

45934

6/12/53

Light coloured sand, with *Acacia*, *Casuarina*,
etc scrub.

3 acridids, 1 beetle. ✓

Coll.

45937

6/12/53

Peupulia sp., *Coryphistes* sp., *Quabitta maculata*,
Eucalypt and sclerophyll shrubs on red-yellow
Acacia nov. 16(?), *Umisia guttulosa*, *Macrotoma* sp., *Azelota* sp.,
 sandy soil. Dried grass on sides of road and in
Chortocites tenuifera, *Acrotrichia* fr. 6, *A. arida*, *A. pusilla*
 clearings.

18 acridids.

(This series continued in

Box 1)

[A pair of *Phasmoda* taken in cop. from this locality,
are in large Box 2.]Box 1.

45937

6/12/53.

Continued

23 Acridids, 1 beetle, 3 flies ✓

Boorabbin

938.

collected

45968.

6/12/53

Goniaca sp., *Quabitta maculata*, *Umisia guttulosa*,
 Mallee on light sand, much *Triodia*, bare sand,
Azelota sp., *Chortocites tenuifera*
 some shrubs.

10 acridids. ✓

45976

Bulla Bulling

Coolgardie 45995.

Collect. 46011

6/12/53.

Macrolopholia sp., Caperrala sp., Complicates sp., Gomiaea sp.
 Red soil with mallee and shrubs. Tussocks of
 genus nov. 31, Qualitama maculata, genus nov. 16(?), Porrasia sp. n.,
 dried *Stipa*, *Danthonia* and other grasses.
Umisia guttulosa, *Apotropeis* sp., *Macrolophosia* sp., *Azelota* sp.
 26 Acridids, 1 fly. ✓

Collect 46031

6/12/53.

Porrasia sp. n., *Apotropeis* sp., *Azelota* sp., *Chortocites*.
 Gravel and other Eucalypts. Understorey of
terminifera, *Austroicetes frater*, *A. pusilla*
 blue bush and some dried grass and annual
 herbs.

14 Acridids, 1 wasp, 1 fly. ✓

Widgiemooltha 46043.

7 Dec

46056

7/12/53

Monastria sp. n. 1, *Pardillana* sp., genus nov. 31, *Qualitama*
Eucalypts + *Melaleucas* mostly. Under cover
maculata, *Porrasia* sp. n., *Azelota* sp., *Austroicetes frater*
 fairly sparse, mostly *Rochia* and *Atriplex*.

11 Acridids, 1 cockroach, 1 scarab, 7 flies. ✓

46066.

7/12/53.

genus nov. 44
 Similar to preceding.

1 Acridid, 1 Tabanid ✓

46095

7/12/53.

Complicates sp., *Gomiaea* sp., *Umisia guttulosa*, *Histrioacrida*
 Rocky granite outcrop sloping to a flat with a
roscapensis genus nov. 44, genus nov. 48, *Azelota* sp., *Chortocites*
 fair cover of large *Tridax* hummocks with odd
terminifera, *Austroicetes frater*, *A. pusilla*
 mallee trees, etc. Dried grass and herbs on the
 edge of the *Tridax*.

[In this box 12 acridids; Series continued in next
 box (4). - See additional information on *Histrioacrida*
 in Calaby's letters of 9/1/54 & 10/2/54.

46087.

Umisia guttulosa, *Chortocites terminifera*
 Sandy foreshore of Lake Cowan. A few phorbs.
 4 Acridids, 1 bee, 2 flies ✓.

4

Box 4.

46095 7/Dec.

Continued from previous box (1).

[In this box 23 Acridids, 1 bug, 1 fly, 3 cockroaches.]

Norseman 46101

Left " 102. — Balladonia Road →

Coll.

46105

7 Dec.

Macrolopholopia sp., *Goniaca* sp., *Unisa guttulosa*, *Chortocites*
Mallee and *Triodia*. Some dried grass on roadside.
terminifera, *Austroicetes frater*
6 Acridids.

Coll.

46109.

7/12/53

Genus nov. 42, *Oualitta maculata*, *Genus nov. 6(?)*, *Porraxia*
Saltbush, *Bassia* and dried grass. Bare sandy
sp. n., *Unisa rugosa*, *Tapesta* sp., *Chortocites terminifera*,
area with *Eremophila* etc. Some eucalypts.
Austroicetes frater, *A. pusilla*
20 acridids, 1 wasp, 1 fly, 3 cockroaches. ✓

46120. 7/Dec.

Bulldania Rock.

1 fly. ✓

46130

7/Dec.

Pardalipia sp., *Propulia* sp., *Goniaca* sp., *Oualitta maculata*,
Sort of big mallee on red sandy soil. Some shrubs.
Porraxia sp. n., *Unisa guttulosa*, *Apotropis* sp., *Azelota* sp.,
Plenty of *Triodia* and bare sand.
Austroicetes frater
1 acridid, 3 cockroaches. ✓

46130

8/12/53.

In this box, 11 acridids. ✓

[This series is out of place. Further specimens
from this locality in large wooden Box 1.] ✓

5
46135 = Bedonia Rock.

8 Dec.

Qualetta maculata, *Pycnostictus seriatus*, *Austroicetes frater*,
Few acres of fairly bare soil with very short dried
A. pusilla
grass and *Bassia*.

11 Acridids. ✓

Collected 46156.

8 Dec.

Pardillana sp., *Apotropis* sp.

Mallee and Eucalypt trees on reddish sand.
a few shrubs and a few *Triodia* hummocks.

2 Acridids. ✓

turn off to Smithania Rock = 158

Smithania Rock = 159.

Macrolopholva sp., *Ephraurus* sp., *Qualetta maculata*,
Large granite rock surrounded by several acres of
Pycnostictus seriatus, *Amisa guttulosa*, *Apotropis* sp.,
dried grass and herbs. Clumps of "jam" trees.
Chorizandra terminifera, *Austroicetes frater*, *A. pusilla*

35 Acridids. ✓

Main Road = 161.

~~Fraser Range Hsd. turnoff 168.~~

~~Collected~~

~~46179.~~

~~8 Dec~~

Fraser Range Gate = 46167 8 Dec

Pycnostictus seriatus, *Austroicetes frater*, *A. pusilla*
Patch of dried grass with saltbush and some
Eucalypts.

6 Acridids, 1 fly. ✓

~~Large Woodstock~~ Fraser Range Hsd. turnoff. = 168.

~~Box 1.~~

~~Collected~~

~~46179.~~

~~8 Dec.~~

~~Stony hill slope with much *Triodia* patches of bare
dark red sand, some stunted shrubs and mallees.~~

6

Large Wooden Box 1.

46130 8 Dec [continued from Box 4]

In this box, [7 acridids, 4 flies] ✓

Collected 46179 8, Dec.

Moraba sp. n. 8, *Onaletta maculata*, *Umisia guttulosa*,
Stony Hill slope with much *Triodia* patches of
Umisicella rubropunctata, *Genus* nov. 48, *Parazelum* sp.,
dark red sand, some stunted shrubs and mallee.
Azelota sp.,
313 Acridoids. ✓

Collected 46180, 9 Dec.

Genus nov. 42, *Pardillana* sp., *Coryphistes* sp., *Goniocia* sp.,
Hill with stony soil. Mallee and Eucalypt trees, few
Porraxia sp. n., *Umisia guttulosa*, *Tapscata* sp.,
shrubs, much litter. Surrounded by *Triodia*; flat
Parazelum sp., *Azelota* sp., *Chortoicetes terminifera*, *Austroicetes*
big hummocks.
frater
23 Acridids, 2 cockroaches, 2 beetles. ✓

Collected 46184 9 Dec.

Macrolopholia sp., *Pardillana* sp., *Coryphistes* sp., *Onaletta*
large bare area with short grass and *Bassia*
maculata, *Psychostictus seriatus*, *Umisia guttulosa*, *Tapscata* sp.,
fairly extensive areas of *paltbush* Eucalypts with
Genus nov. 48, *Azelota* sp., *Chortoicetes terminifera*, *Austroicetes*
sparse shrubs and litter, and *Triodia*.
frater
4 cockroaches, 5 flies, 24 Acridids, ✓

turn off to Newman Rocks 46195

Newman Rocks. 46196

Macrolopholia sp., *Respulia* sp., *Coryphistes* sp., *Goniocia* sp.,
Large granite rocks with Eucalypt trees and
Onaletta maculata, *Psychostictus seriatus*, *Respulia* sp.,
sparse bluebush, fairly bare areas with short
Umisia guttulosa, *Umisicella rubropunctata*, *Tapscata* sp.,
dried grass and herbs, and *Triodia*
Genus nov. 48, *Azelota* sp., *Chortoicetes terminifera*, *Austroicetes*
23 Acridids, 2 flies. ?
frater, *A. pusilla*

35 acridids, 4 beetles, 1 cockroach, 6 flies,

10 Dec
Main Rd. 46196.
Balladonia 46244
Turned WSW to Margooingya Rocks 248
(probably only a local name)
Collected 46248 10/12/53.

Genus nov. 32(?), Beplessia sp., Pardillana sp., Comphosia sp.,
Large flat granite rock with thin dried grass and herbs
Goniaca sp., Qualitta maculata, Pycnostictus seriatus, P. sp. n.,
Surrounded by good saltbush with clumps of
Genus nov. 6(?), Poraxia sp. n., Urnisa guttulosa, Genus nov. 32,
Eucalypt. Azelota sp., *Austroicetes pusilla*, A. frater
39
51 Acridids, 23 Beetles, 7 flies, 2 wasps. ✓

11 December

Back to Balladonia = 252
Main Road = 253.

turned SW to Nanambinia Stn.

collected 46259.

Genus nov. 32(?), Pycnostictus seriatus, Azelota sp.,
Atriplex - Kochia community, small amount of
Chortoicetes tenuifera, *Austroicetes nullarborensis*
dried grass, a few Myoporum trees,
8 Acridids, 5 Tabanids. ✓

out of
Race

Balladonia = 46252 11/12/53

Pycnostictus seriatus, P. sp. n., Aiolopis tannius, Urnisa
Acridids very scarce here except in the Juncus and
guttulosa, Buforania sp., Macrotana sp., Azelota sp.,
more or less green grass around the only dam with
Chortoicetes tenuifera, *Austroicetes pusilla*, A. nullarborensis, A. frater
water, where the collecting was done. Buforania on
bluebush community.

28 Acridids, 2 flies, ✓

collected 46261 11/12/53

Beplessia sp., Comphosia sp., Goniaca sp., Genus nov. 46,
Fair number of Eucalypt trees with much leaf litter, and
Pycnostictus sp. n., Poraxia sp. n., Urnisa rugosa,
a few shrubs. Community generally Atriplex -
Kochia.
Aiolopis sp., Austroicetes frater

16 Acridids, 4 tabanids ✓

8

Nanambinia Sdn. 46274. 11/Dec.

Collected *Acrididae* *Chortocicetes* *terminifera* *maculosa*, *Pycnostictus* sp. n., *Macrostoma* sp.,
only in the Juncus and green herbage around
a dam.

7 *Acridids*. ✓

Stk to

turned, SSW to Emu Rocks? 46279, 11 Dec

(probably local name only)
Macrolopholia sp., *Gymnura* nov. 32(?), *Replessia* sp., *Pardillana*
Large granite rock with dried off grass and
herbs. *Coryphistes* sp., *Goniaca* sp., *Qualitella maculosa*, *Pycnostictus*
sp. n., *Gymnura* nov. 6(?), *Porraxia* sp. n., *Pycnostictus* *seriatus*,
salt bush and some dried off grass
Urtica rugosa, *Apotripis* sp., *Macrostoma* sp., *Azelota* sp.,

In this box 36 *Acridids* 2 scarabs 1 cockroach, 2 flies.
Chortocicetes terminifera, *Austroicetes pusilla*, *A. frater*
Series continued in large box 2.

Large Box 2.

46279. 11. Dec.

10 *Acridids* (first pair in box, in cop.) ✓

12 Dec

Proceeded to Boonanya. (more or less Stk to S.S.W.)

Boonanya = 46283. 12/Dec.

Pardillana sp., *Coryphistes* sp., *Acrididae* *maculosa*, *Urtica*
Large granite rock surrounded by country very
closely grazed (very short dry grass and herbs, and a few
shrubs), a few *Eucalypts*. Some short green grass
around a dam.

1 fly, 23 *acridids*. ✓

W to WSW

proceeded back to main Israelite Bay
Track.

9

Collected 46287 12th Dec.
Beplessia sp., *Goniaca* sp.
Chiefly Eucalypts and Melaleucas with an understratum
of *Atriplex* - *Kochia*. Much bare soil.
7 acridids. ✓

Collected 46293 12 Dec.
Beplessia sp., *Conophistes* sp., *Goniaca* sp., *Azelota* sp.
Similar to preceding.
11 acridids, 5 Tabanids. ✓

Collected 46321.
Conophistes sp., *Qualitella maculata*, *Apotopis* sp.,
granite rocks with some dried grass and shells
Azelota sp., *Chortoicetes terminifera*
Eucalypt, some *Callitris* and shrubs.
5 acridids, 10 scarabs, 2 wasps, 5 flies, 1 bug ✓

13 Dec

(13/12/53) Collected 46329 = Pine Hill. (poss. local
name only)
Moraba sp., *Goniaca* sp., *Pardillana* sp., *Paspalia* sp.,
Eucalypt with an understorey chiefly of dried
Phaulacridium vittatum, *Goniaca* sp., *Pardillana* sp.,
grass. Open area of dried grass.
Macrotoma sp., *Azelota* sp., *Chortoicetes terminifera*
26 Acridids, 7 Tabanids. ✓
(*Phaulacridium* in very low density, only odd ones
under trees.)

Collected 46336 (13/12/53). = Junana Rock.
Pardillana sp., *Phaulacridium vittatum* (poss. local name)
Large granite rock with some dried grass and
shrubs. Reedy swamp with *Yates*. ^{other} Eucalypts
some *Callitris* and much dried grass.
13 Acridids, 10 Tabanids ✓
(*Phaulacridium* density extremely low)

Turned East at 46343 towards Mt. Ragged.
Mt Ragged = 46344.

December 14.

Spent all day at Mt Ragged, ⁽⁴⁶³⁴⁴⁾ collecting from foot to summit.

Mt. ^{sheet 4} very stony with huge boulders and lots of *Cisphula carbonaria*, *Cisphula* sp. n., *Coryphistes* sp., *Goniaca* sp., *Umisia rugosa*, *Apotropis* sp., *Genus nov* 12(?), *Peaksia* ~~stunted~~ *Eucalypts*, other myrtaceous and proteaceous shrubs. *Acridid* fauna similar from top to bottom.

Surrounding country vegetation fairly similar in character but on sandy or gravelly soil. Old clumps of larger eucalypts.

44 Acridoids, 1 wasp, 8 Scarabs, 19 flies ✓
(1 pair Acridids in cop. ✓
1 pair *Moraba* in cop.) ✓

December 15

Mt Ragged to Israelite Bay.

Back to main track = 46346 } same
Transferred to another vehicle = 36623 } point.

Collect. 36628 15/Dec. ✓
Moraba consobrina, *Propsectimura eyrei*, *Coryphistes* sp.,
Stunted mallee and shrubs with some low
Goniaca sp., *Genus nov* 16(?)
sedgey areas.

7 Acridoids. ✓

Collect. 36632 Dec. 15
Moraba consobrina, *Propsectimura eyrei*, *Goniaca* sp.,
Similar to preceding except that soil colour
Genus nov 16(?), *Peaksia balmea*, *Apotropis* sp., *Euama*
darker including, *Azelota* sp.
10 Acridoids, 9 Tabanids. ✓

11.

Collect. 36639

Dec 15

= Sheoak Hill (poss. only local name)

^{Urosia rugosa, Peckesia brumnea, Isama includens,}
Rise with tall shrubs of Acacia, some Mallee,
^{Austroicetes frutes}
a few Casuarinas, and smaller shrubs.
Some dried grass.

6 Acridids, 5 Tabanids. ✓

Israelite Bay = 36654.

^{Coryphistes sp., Gophier sp., Phaulacridium vittatum,}
Collected only in a large patch (several
^{Pezomachus striatus, Peckesia brumnea, Macgillona sp.,}
Acacia) of dried grass (Stipa, etc) behind the
^{Austroicetes vulgaris corallipes}
coastal dunes, and on the fringes of the
dense scrubby Acacias among the dunes.

18 Acridids, 3 Tabanids. ✓

(Phaulacridium density very low.)

1 pair Phasmids (data on label)

1 Monistria } coll. by A.R. Main on 28-May-1951.

1 Moraba } at Stirling Ranges.

[These have been dried from alcohol]

Return mileages from Israelite Bay to
Nanambinia, for checking purposes. The track
to Boanya was excluded on return.

Sheoak Hill = 668.

Mt Ragged farm in = 684.

Transferred back to old vehicle = 346.

Pine Hill = 360.

Boanya turn off = 403.

Nanambinia = 410.